ROMA MEDICAL

SHOPRIDER®

Cameo

GK8 / GK8-3
USER MANUAL

Please ensure that this manual is read and understood before using the scooter.

CE

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April 10

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Warranty

Introduction

Congratulations on your purchase of the RMA Shoprider® ***Cameo*** scooter. This scooter incorporates the latest innovative designs, having articulated front wheels (Cameo 3) to ensure both wheels remain in full contact with the ground at all times increasing stability. The RMA ***Cameo*** also boasts interchangeable panels, enabling the user to determine the colour of the scooter whenever they choose. The RMA ***Cameo*** can be used in confined spaces both indoors and out. Direct drive rear transaxles and electromagnetic brakes give a safe and efficient ride. The scooter can be easily disassembled without tools and will fit into the boot of most vehicles for easy transport.

Intended Use

The RMA ***Cameo*** was carefully designed for indoor or outdoor use in pedestrian areas by a single individual with limited mobility up to a maximum weight of 114kg (18st). The acute manoeuvrability prohibits the use by persons who are severely physically impaired or those who have balance difficulties. Your assessor will determine the suitability of the scooter for the individual.

Note: Persons with lower body amputations should not use this device unless evaluated with artificial limbs fitted, as stability may be compromised due to an irregular centre of gravity.

Technical Specification

Class 1 Medical Device
Class 2 Indoor/Outdoor Vehicle

Overall Size		***Seat Dimensions***	
Length	*1120mm*	*Width*	*455mm*
Width	*560mm*	*Depth*	*350mm*
Height	*840mm*	*Seat to lowest foot position*	*535mm*
Battery	*2 x 12Ah*	*Backrest height*	*345mm*
Height Total	*840mm*	*Range*	*12km (8m)**
Maximum user weight	*114kg / 18st*	*Battery charger (off board)*	*2 amp*
Safe working slope	*6º*		
Weight with batteries	*43kg*		
Max. Speed	*6km/h (4mph)*		

**Passenger weight, rough ground conditions, low temperatures and battery condition can affect maximum range.*

Feature Guide

‘Cameo’

1. Tiller control head
2. Detachable padded swivel seat with fold down back
3. Detachable basket
4. Detachable battery pack
5. Tiller angle adjustment knob
6. Tiller lock
7. Anti-tip wheels
8. Puncture proof wheels
9. Pull handle

Continued…..

‘Cameo 3’

1. **Tiller control head**
2. **Detachable padded swivel seat with fold down back**
3. **Detachable basket**
4. **Detachable battery pack**
5. **Tiller angle adjustment knob**
6. **Tiller lock**
7. **Anti-tip wheels**
8. **Puncture proof wheels**
9. **Pull handle**

Safety Advice

DO:

- Read this manual carefully before using your scooter
- Turn the power off when transferring to and from the scooter
- Select a slow speed when going down gradients (max 6°) or over uneven ground
- Keep your feet on the scooter whilst driving
- Ensure the seat is in a fixed position facing forwards before driving
- Ensure the tiller is not in the 'locked' position
- Ensure the batteries are fully charged before your journey
- Avoid rough or soft terrain and long grass wherever possible
- Be aware of other road users and pedestrians
- Turn the power off when not in use
- Follow the maintenance guide to ensure safe operation of the scooter
- Always remove the keys if leaving the scooter unattended. Unauthorised persons/children may use the scooter resulting in injury.

DO NOT:

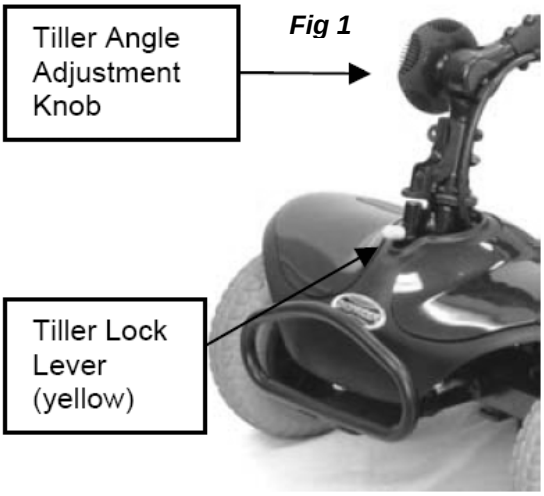
- Carry passengers
- Exceed inclines over 6°
- Traverse inclines
- Attempt inclines if the surface is slippery
- Turn sharply at full speed
- Exit or enter the scooter unless the power is switched off
- Switch off the power whilst driving – this will cause the scooter to stop abruptly (see emergency procedures – page 18)
- Use the scooter where you cannot safely or legally walk
- Attempt to climb kerbs except drop down kerbs.
- Use the scooter if under the influence of alcohol or any medication
- Use a mobile phone whilst driving
- Attempt to negotiate steps or escalators
- Sit on the scooter if being transported in a vehicle
- Attempt to tow any other devices
- Exceed the stated weight limit
- Connect any other devices to the batteries as this could cause permanent damage and void your warranty
- Use any other batteries/charger other than those supplied by *RMA*
- Travel through water or over soft terrain (mud, sand etc.) Avoid cobbles.
- Travel on the road except when crossing between pavements
- Lift the scooter by the shroud assembly or any plastic part
- Sharply shift your centre of gravity as this could make the scooter unstable

Every care has been taken to ensure that your scooter will give you safe, reliable service provided you adhere to the advice given above.

Adjustments

Tiller Angle Adjustment *(Fig. 1)*
At the base of the tiller is a round knob. Turn the knob anti-clockwise to loosen the tiller. Select the desired tiller angle and re-tighten the knob until securely in place.

Fig 1



Folding the Tiller Assembly
(For transport purposes) *(Fig. 2)*
Loosen the tiller angle adjustment knob and fully fold the tiller into the base and retighten the knob.
Lock the tiller assembly into place by lifting the yellow tiller lock lever up and to the left. ***The tiller can only be locked when the front wheels are pointing straight ahead. Do not carry the scooter by the tiller stem.***

Fig 2

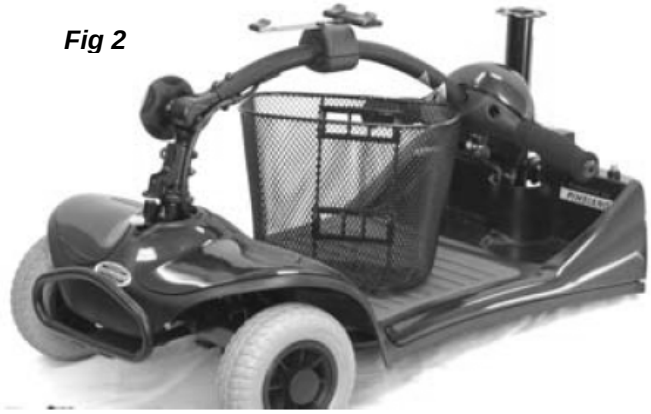


Fig 3

Seat Swivel / Removal *(Fig. 3)*
To swivel the seat, simply lift the release handle and swivel the seat to transfer to or from the scooter. To remove the seat, fold down the back of the seat. Lift the swivel release handle up to the seat and gently lift the seat from the chassis. ***Always ensure that the seat is securely locked in the forward facing direction when driving the scooter. Do not hang baggage or other objects on the back of the seat as this may affect stability.***

Continued…..

Seat Height Adjustment *(Fig. 4)*
Remove the seat as previously described and remove the battery pack (see page 11). Use two 13mm spanners and undo the locking bolt and nut. Adjust the seat post up or down to the desired height and relocate the locking bolt through the hole and replace the washer and nut and re-tighten. Replace the battery and the seat.
The higher the seat is adjusted; stability may be affected due to the higher centre of gravity.

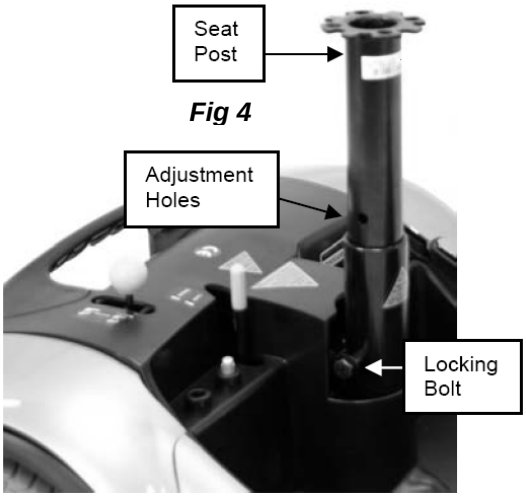


Fig 4

Fig 5

Arm Adjustments *(Fig. 5)*
On each side of the seat towards the back there are two hand knobs. These are to adjust the width of the armrests or to remove then for transport.
Turn the knobs anti-clockwise to loosen. Once the knobs are loose you will be able to adjust the armrests in or out to the desired width. Re-tighten when a comfortable width has been achieved or remove the armrests completely for transport.
If removing the armrests for transport, ensure that the knobs are re-tightened to avoid them rattling loose and falling out.
Do not apply full body weight to the armrests for transferring. Pivot the seat or lift the arm up out of the way to transfer to another seat.

Tiller Controls *(Fig. 6)*

Fig 6

Thumb Lever Controls
The thumb lever controls the reverse and forward motion of the scooter. Pressing the right lever will drive the scooter forward, pushing the left lever will reverse the scooter. The amount of pressure applied to the levers will determine the speed the scooter travels up to the maximum speed selected. More pressure = more speed. Release the thumb lever and the scooter will automatically come to a safe stop as the electromagnetic brake is applied.

Horn Button
The yellow button operates the scooters horn. ***This should only be used to warn others of your presence and not as a rebuke of any form.***

Battery Level Indicator Gauge
This gauge gives you a guide to the amount of charge left in the scooters batteries. This will give the truest reading when the scooter is in motion. ***Always fully charge the batteries before driving your scooter and never let the batteries become completely drained, as this may cause permanent damage to the batteries.***

On/Off Key Switch
Insert the key supplied with the scooter and turn clockwise. The battery gauge needle will move. There may be a slight delay before the thumb levers operate as the controller checks the scooters circuits. ***Never leave the key in the switch unattended to prevent unauthorised use. Do not switch the power off to stop the scooter unless it is an emergency. The scooter will stop very abruptly if stopped in this way.***

Speed Control Dial
The speed control enables you to set the maximum speed of the scooter. The tortoise being slow, and the rabbit being the maximum. ***Always start at a slow speed until accustomed with the characteristics of your scooter. Do not put excessive pressure on the dial. Only turn as far as the stops.***

Brake Release / Freewheel Operation *(Fig. 7 & 8)*

The brake release lever is situated under the seat at the right rear of the scooter (yellow lever *Fig. 7*). This lever allows you to disengage the drive mechanism and push the scooter in 'freewheel' mode. To disengage the drive, push the knob forward to the 'disengaged' position (*Fig. 8*). The scooter can now be pushed.

Simply pull the lever back to re-engage the drive mechanism (the scooter can now be driven). The scooter will not operate when the lever is in the disengaged position. The scooter must be turned off and on by the key switch to reset the circuits before it will resume normal operation. The scooter will bleep continually if the brake is disengaged when it is switched on.

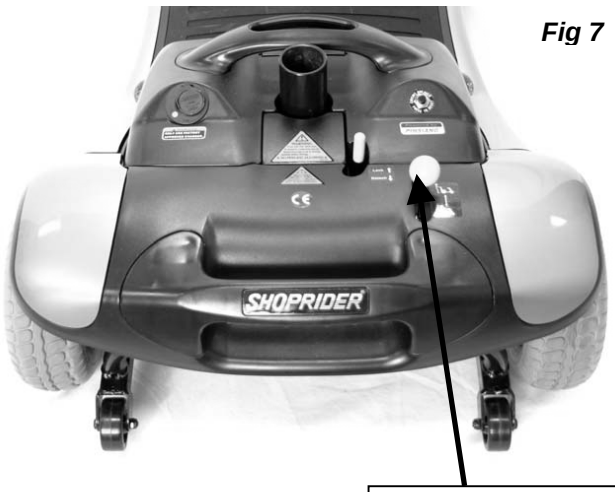


Fig 7

Freewheel Lever

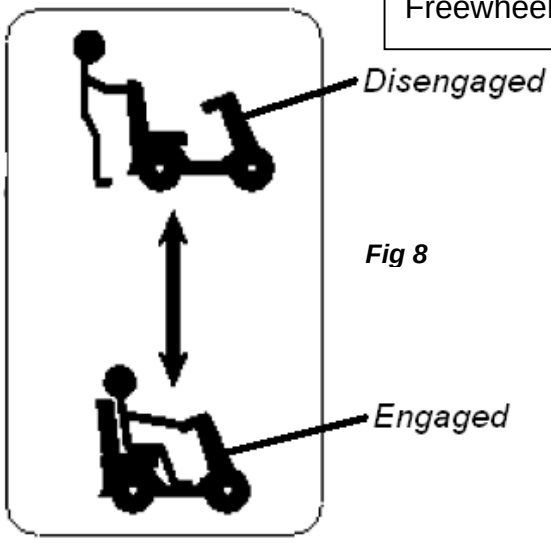


Fig 8

⚠ ***Caution! Never leave the scooter unattended whilst in freewheel mode as it will roll away down an incline. 'Freewheel' mode should only be used in an emergency to move the scooter due to power failure. NEVER move the scooter in this mode whilst it is occupied.***

Starting to Drive

Getting Started

✓ ***Note: You must fully charge the batteries prior to first use (see 'Batteries and Charging')***

Select an area with plenty of space.

Mount the scooter by either lifting the arm and sliding onto the seat or swivel the seat around to access the scooter. ***Ensure the seat is securely locked in the forward facing position before driving.*** Adjust the tiller and seat if necessary (*see 'Adjustments'*). ***DO NOT use the tiller to fully support you during transfers.***

Continued…..

Moving Off
Turn the key clockwise to turn on the power.
Initially set the speed control to a low setting. Push your right thumb lever (yellow) and the scooter will move forward slowly. The further you push the lever the faster the scooter will travel, but only to the maximum speed that has been selected. Release the lever and the scooter will come to a smooth controlled stop.

⚠ ***Caution! DO NOT* switch off the power to stop the scooter as this will cause the transmission to lock and the scooter will come to a sharp stop, which could possibly cause injury. This procedure should only be used in an emergency.**

Steering
Steering the scooter is light and easy. Ensure you give obstacles a wide clearance to avoid the rear wheels catching. When steering through limited spaces, turn the tiller in the direction that you wish to go and apply power gently. The scooter can turn very tightly with complete stability at slow speeds.

⚠ ***Caution! NEVER turn sharply at high speeds as it can make the scooter unstable. The maximum speed should be set at 50%.***

Reversing
Before reversing ensure the area behind the scooter is free from any obstacles or hazards. Adjust the speed setting to low before you reverse. Press the left thumb lever (black), and steer wide of all corners and obstacles.

⚠ ***Caution! Do not reverse onto a main thoroughfare.***

Ramps / Slopes
The stability of your scooter depends on several factors such as seat height, angle of gradient and the users height and weight. When approaching an incline, do so directly (*Fig. 9*) and not at an angle (*Fig. 10*) and avoid making turns where possible.

Fig 9

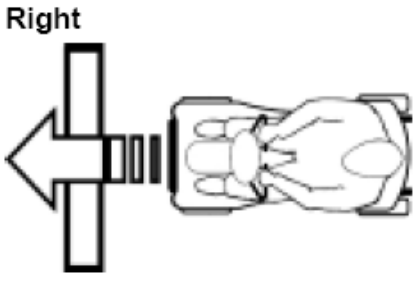
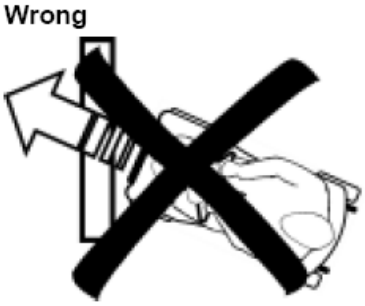


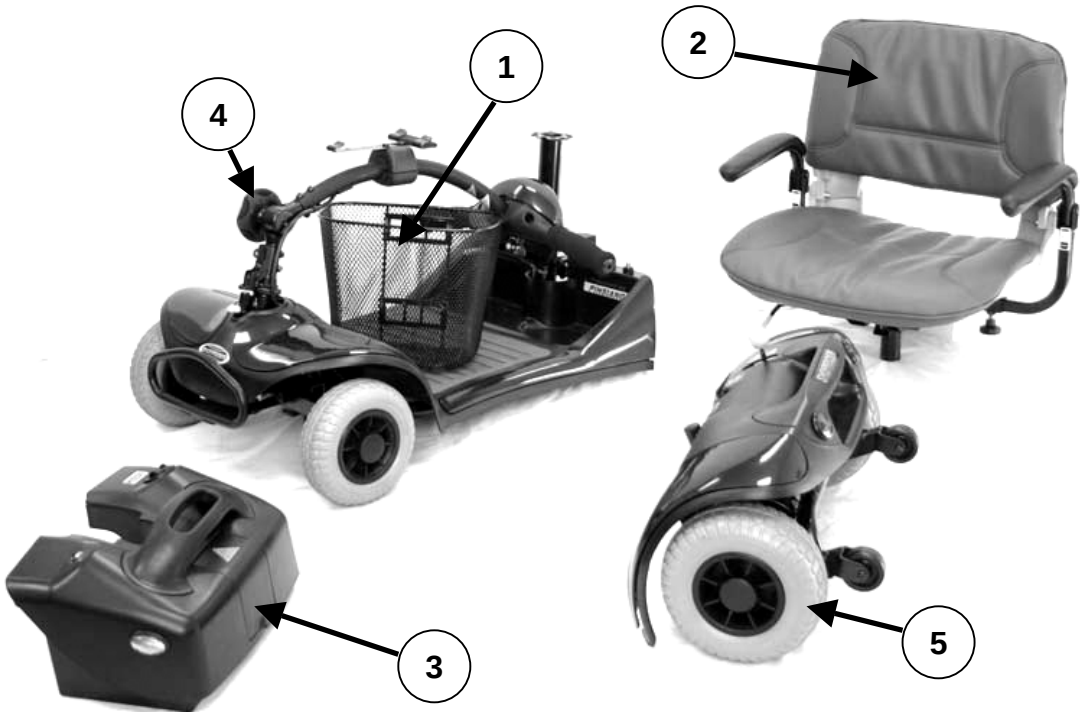
Fig 10



Surfaces
Your scooter will perform well over many surfaces. However, avoid long grass, loose gravel, sand and mud and ice.

Transport and Storage

The RMA ***Cameo*** is designed to be quickly and easily disassembled without tools into sections for transportation and storage:



Guidelines for Disassembly
Follow the following for the easy disassembly of your scooter:
(*Ensure the scooter is switched off before disassembling)*

1. Lift the basket up and off the bracket.
2. Remove the seat as described earlier.
3. Remove the battery pack by lifting on the handle. (*The battery pack is secured in place by Velcro strips*).
4. Loosen the tiller adjustment knob and lower the tiller and re-tighten the knob. Lock the tiller by pulling the yellow lever up and to the left. ***Do not carry the chassis by the tiller stem.***
5. Detach the rear drive assembly by moving the yellow detach lever (*Fig. 11)* to the 'DETACH' position and lifting the assembly backwards at the same time. The assembly should now be clear of the main chassis.

Assembly is the reverse of the above procedure.

The RMA ***Cameo*** is now separated into five components for easy transportation or storage.

Batteries and Battery Chargers

Batteries

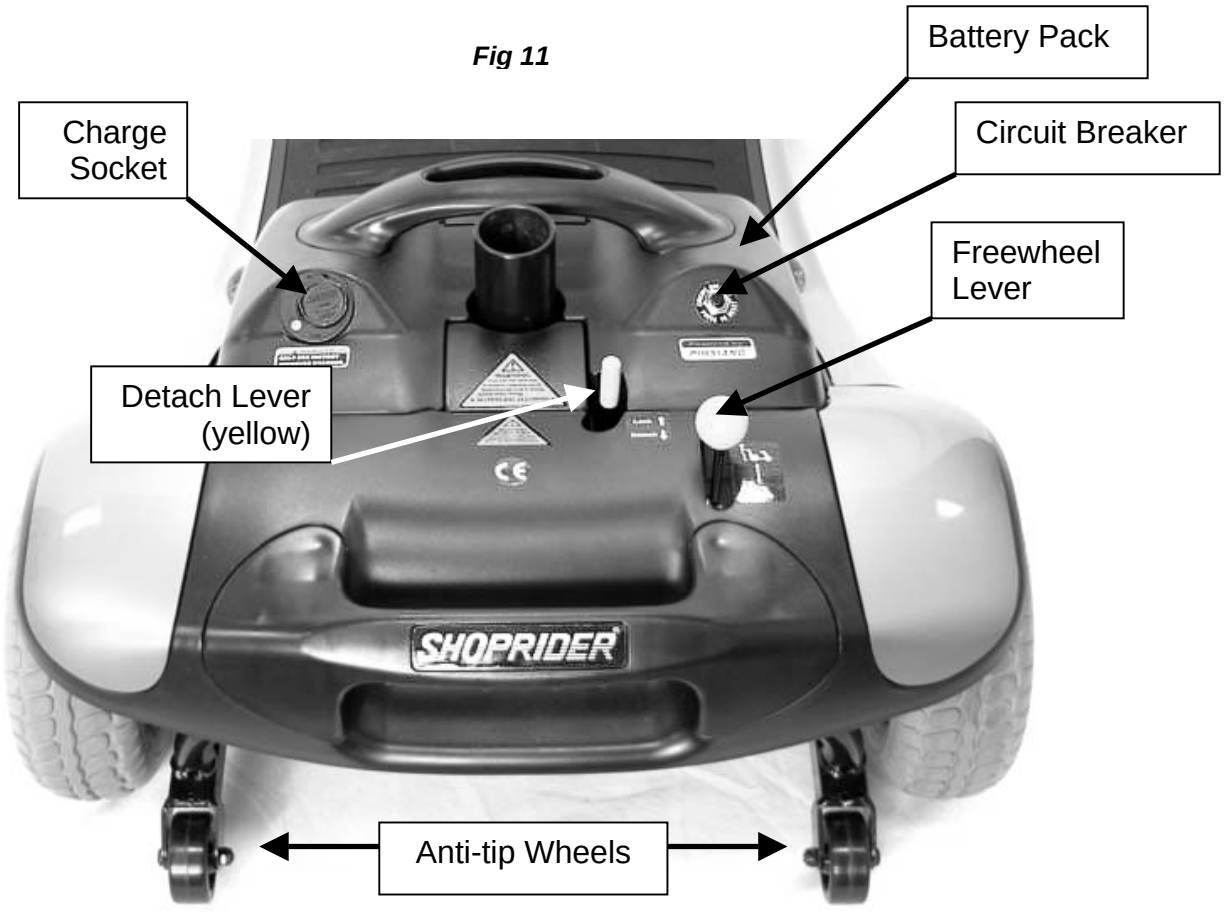
Charge the batteries completely (8-12 hours) prior to first use.

The RMA ***Cameo*** is supplied with a closed battery pack which contains two 12 Amp, 12 Volt sealed lead acid batteries. The battery pack is situated under the front of the seat and can be removed by lifting them away from the Velcro fixing strips.

Low temperatures, rough terrain and the weight of the user can affect battery performance. Your battery gauge is a guide only to the level of charge remaining in your batteries and will give its best indication while the scooter is moving.

Note: Batteries recommended by RMA MUST be used if they need to be replaced. An authorised RMA dealer must carry out battery replacement.

Fig 11



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Battery Charger
The battery charger is a 2-amp transformer type off board, which can be stored in the front of the battery pack for convenience. The battery charging port is located on the battery pack (*Fig. 11*). This special feature allows the batteries to be charged independently of the main scooter.
Before using our scooter for the first time be sure to fully charge the batteries, this may take up to 12 hours.
To charge the batteries connect the 3-pin male charger plug into the charging socket on the battery pack. Plug the 3-pin mains plug into a wall socket and switch on. A red light will illuminate on the charger. This light will change to green once the charge cycle is complete. Turn off the mains power before unplugging the charger from the battery pack.

Caution! Do not charge the batteries for longer than 12 hours. Always charge the batteries in a well-ventilated indoor area. You must still maintain charging the batteries even if the scooter is not to be used for a prolonged period of time (2 to 3 weeks). Failure to do so could result in permanent damage and render the batteries unusable. Wherever possible do not interrupt the charge cycle until the batteries are fully charged. Continual interruption can permanently damage the batteries. If the charging lead should get damaged discontinue use immediately and seek a replacement from your dealer. ONLY USE THE CHARGER SUPPLIED WITH YOUR SCOOTER. Do not leave the charger plugged into to the charger port after the charge is complete. ALWAYS remove the keys from the scooter when charging.

Disposing and recycling of used batteries
Batteries must always be recycled correctly. Do not dispose of them with your domestic refuge.

For further information regarding your nearest recycling facility please contact your local authority.

Maintenance

Product Life Expectancy
Your scooter has been designed to provide the user with a long, reliable life provided it is correctly maintained and regularly serviced by an authorised dealer. However, due to inevitable wear and tear and technological improvements it is recommended that the average useable life of this scooter is five years.

Cleaning
The shrouds and seat of the scooter should be cleaned using a damp cloth and gentle detergent. Do not use abrasive cleaners or solvents, as this will damage the plastic components. Do not spray water (*hose or pressure washer)* onto the scooter as this may cause damage to the electronics.

Continued…..

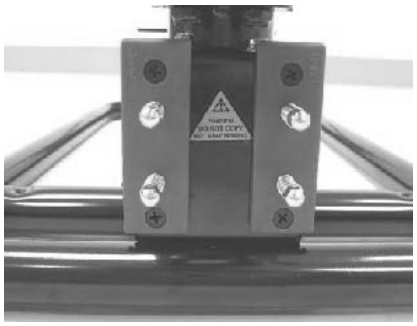
Routine Maintenance
We suggest that your scooter should undergo a full service at least once a year by an authorised RMA dealer.
Please check the following on a weekly basis:

- Tyres are in good condition
- Wheels spin freely
- Moving parts, pivots and frame fixings are not damaged or worn
- All hand knobs and levers are secure

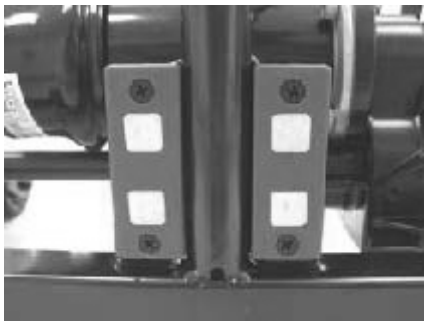
To ensure an uninterrupted power connection is maintained, it is recommended that the connections between the front and rear chassis are regularly cleaned and lubricated with a contact treatment grease such as Electrolube SGB20S.

To undertake this operation, dismantle the scooter as per the user manual and thoroughly clean both sets of connectors (front and rear) with an alcohol based solvent. Apply the contact treatment grease to both sets of the contacts (a thin film is sufficient, do not use the entire sachet).

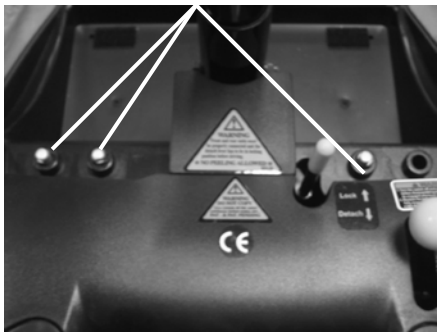
Front Connectors



Rear Connectors



Chassis Battery Connectors



Battery Pack Connectors

Underside of battery pack

Continued…..

We also recommend that the connectors between the battery pack and the main chassis are also treated at the same time to prevent any carbon build up (round plate connectors and pins). Simply re-assemble the scooter as per user manual after these procedures have been undertaken.

✓ ***Note: Should any part of your scooter need replacing or repairing please contact your local RMA dealer to undertake any maintenance. Failure to do this may void your Warranty.***

Troubleshooting

Circuit Breaker
Your scooter is fitted with the latest in electronic controls that are programmed to protect the electrical system from abnormal overloads. Fitted for extra protection is a circuit breaker, which is located on the battery pack (*Fig. 11*). Should there be a situation where your scooter stops for no apparent reason please check that the circuit breaker has not tripped. Simply press the button to reset the circuit breaker.

✓ ***Note: Should the circuit breaker continue to trip turn off the scooter immediately and consult your dealer.***

Fuses
There are two 40 amp blade type fuses inside the battery pack to give protection against possible overload on the wiring.

⚠ ***Caution! Do not attempt to open the battery pack to replace the fuses. Please take the battery pack to an authorised RMA dealer to replace any blown fuses.***

Check List
If your scooter fails to operate, please check the following:

- The unit is switched on.
- All plugs and connections are firmly fixed.
- Battery level shows full charge.
- Freewheeling device is in the drive position (*See Fig. 8*).
- Circuit breaker has not tripped.
- Contacts between front and rear chassis are dirty.

If the freewheel device has been operated with the scooter switched on, the scooter will not operate until the key switch has been turned off and on again.

✓ ***Note: Should your scooter fail to operate after checking these possible problems, consult your local RMA dealer immediately.***

Further Information

Safety Information Regarding Electromagnetic Interference (EMI)
Scooters and powerchairs are designed to operate under certain conditions. However, radio waves or electromagnetic fields may affect the operation of the scooter. The source of EMI could be radio or television transmitters or portable devices such as mobile phones, portable CB radios etc.
Should any unintentional movement occur turn the scooter off as soon as safely possible.

Solar Energy
During periods of sunny weather, it is possible that surfaces of your scooter may reach high temperatures (as with motor vehicles). Please take precautions if leaving the scooter in direct sunlight for any period of time. Seek shade or cover the seat and hand controls to keep any temperature increases to a minimum.

Health Factors
Suitability for this product has been assessed on the user's current state of health. It is essential that the user regularly monitor their ability to use the scooter safely.

General Use
Take heed of the information given in this manual regarding safety and the maintenance of your scooter. If adhered to, your scooter should give you years of reliable mobility.

Storage and General Care
We recommend that the scooter is always stored in a dry environment such as a garage or shed to protect the chassis and other components from corrosion. Do not leave the scooter outside during rainstorms. If the scooter is wet, wipe with a dry cloth to ensure there is no ingress of water into the internal components of the scooter.
During everyday use, do not use in rain showers or travel through puddles. Avoid use in areas where the scooter could become contaminated with sand or abrasive materials.

Continued…..

Product Stability
Scooters and powered wheelchairs are designed to allow the user flexibility of movement in restricted areas. Driving at maximum speed and attempting sharp turns can create a situation where the product becomes unstable. Therefore it is essential that the user pay attention the guidance set out in this manual.

For maximum stability the speed setting should be set up to 50% of the maximum available (halfway between the tortoise and the hare or just entering the red sector on the speed indicator depending on the model.

The main factors affecting stability are:

- Maximum speed setting
- Seat height
- User movement
- User's manoeuvres
- Gradients or slopes

Please keep your speed to a level where you can safely stop without having to make any erratic turns.
Do not load bags etc. on the back of the seat as this will affect the centre of gravity and could increase instability.
Do not lean outside of the 'footprint' of the product, especially whilst moving.
Avoid making turns on gradients or slopes.

Emergency Procedures
Should your scooter behave erratically or become unresponsive whilst driving, release the wig-wag lever so it may return to it's neutral position and switch off the power at the key / switch. These procedures will stop the scooter and activate the braking system, preventing any further uncontrolled manoeuvres.
Note: Switching the power off at the key / switch can cause the scooter to stop abruptly and should only be used to stop the scooter during an emergency.

Driving in Pedestrian Areas
When using the scooter in pedestrian areas always lower your maximum speed to that of the pedestrians around you. Remember the stopping distance of your scooter and always allow enough space to stop safely to avoid collisions with pedestrians or other objects.

Notes

WARRANTY TERMS AND CONDITIONS

This is to certify that your Roma Medical/Shoprider® product is warranted for a period of 12 months from the date of original purchase. This warranty is not transferable.

Should a defect or operating fault arise within this period the Dealer from where the product was originally purchased should be notified immediately. Failure to register the fault may invalidate the warranty.

Roma Medical warrants that if a fault occurs within this period due to faulty workmanship or materials that the product will be repaired (or replaced at the Companys discretion) free of charge.

Any unauthorised modifications will invalidate the warranty.

Parts which are subjected to normal wear and tear, accidental damage, neglect or misuse are excluded from this warranty. Normal wear and tear includes tyres, chassis covers, bulbs, seat coverings etc.

Component parts replaced outside this period carry a six-month warranty. (Standard terms and conditions apply for this period).

Model:

Serial No:

Purchase Date:

Dealer Stamp

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CF31 3TB
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Email: sales@romamedical.co.uk
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Roma Medical reserve the right to change specifications without prior notice

KB&S15587